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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/671,562	09/29/2003	Edward Wong	WEN 188	2337

7590 12/14/2005

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EXAMINER

WALK, SAMUEL J

ART UNIT	PAPER NUMBER
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2632

DATE MAILED: 12/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/671,562	WONG, EDWARD	
	Examiner	Art Unit	
	Samuel J. Walk	2632	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) 7-19 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 2, 5 and 6 is/are rejected.
- 7) ☒ Claim(s) 3 and 4 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02/20/2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Claims 1-6 in the reply filed on 09/21/2005 is acknowledged.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claims 1-2 and 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wesley (US 2003/0067399) in view of Russo (US 5640144).

Regarding Claim 1, Wesley discloses a smart traffic services platform wherein claimed sensing unit met by infrared, motion or light sensors (unlabeled), see para. [0033]; claimed sound actuating unit met by enunciator 92, see para. [0042]. Wesley discloses amplification and filtering, see para. 0037], but does not specifically disclose a preamplifier and frequency discrimination. However, Russo discloses an RF/ultrasonic

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separation distance alarm wherein preamplification, amplification and frequency discrimination, see Col. 4 lns 7-14. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate the teachings of Russo into the system of Wesley because signal processing, including amplification and discrimination, is well known in the art to properly receive a signal and prevent saturation and noise. In addition, one having ordinary skill in the art would have readily recognized that any number of preamplifications, amplifications, discriminations, and any other signal processing means would be performed to produce a proper signal for the required specifications of the system.

Regarding Claim 2, see above rejection in reference to Claim 1, specifically infrared sensor.

Regarding Claim 5, Wesley further discloses display system 60 utilizes LEDs. Wesley does not disclose an inductive indicator. However, one having ordinary skill in the art at the time the invention was made would have readily recognized the utilization of inductive indicators because they are readily available and functionally equivalent components.

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4. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wesley in view of Russo and in further view of Gotfried (US 2004/0225434).

Regarding Claim 6, Wesley and Russo disclose a system for audibly warning an oncoming vehicle of traffic alerts. Wesley and Russo do not disclose built in language modes. However, Gotfried teaches of a vehicle navigation and safety system wherein audible alerts are computer generated or recorded voices in English, Spanish, German, Italian, Japanese or any other language, see para. [0028]. Therefore, one having ordinary skill in the art at the time the invention was made would have incorporated the teachings of Gotfried into the system of Wesley and Russo because multiple languages are needed for those who do not speak the other languages.

Allowable Subject Matter

5. Claims 3-4 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter: Claim 3 appears to be allowable because prior art fails to show a language mode interchanging

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unit having a wave band interchanging unit. Claim 4 appears to be allowable because prior art fails to show a "Π" type filter placed between the preamplifier and the sensing unit.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Pogue (US 5635920) discloses a remote traffic signal indicator. Berstis (US 6442473) discloses a method and apparatus for presenting traffic information in a vehicle. Schrage (US 6580374) discloses a audible communication system.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samuel J. Walk whose telephone number is (571) 272-2960. The examiner can normally be reached on M-F: 8:00-5:30.

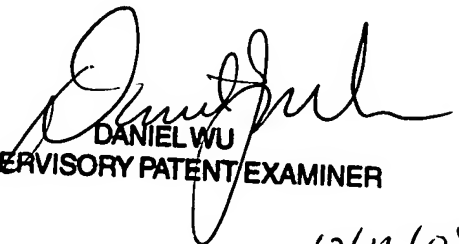
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Wu can be reached on (571) 272-2964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SJW


DANIEL WU
SUPERVISORY PATENT EXAMINER
12/12/05